



# WICHITA FIRE DEPARTMENT

City Council  
July 22, 2008

2009/2010 Service Deployment Overview



# WFD Service Deployment Issues

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Provide information on WFD deployment issues:

1. Discuss Service Goal.
2. Resource Management and Service Review.
3. Standards of Coverage.





# Resource Management

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## Service Goal:

To provide the most effective level of service possible to the greatest number of people through the efficient utilization of Wichita Fire Department resources.





# Resource Management

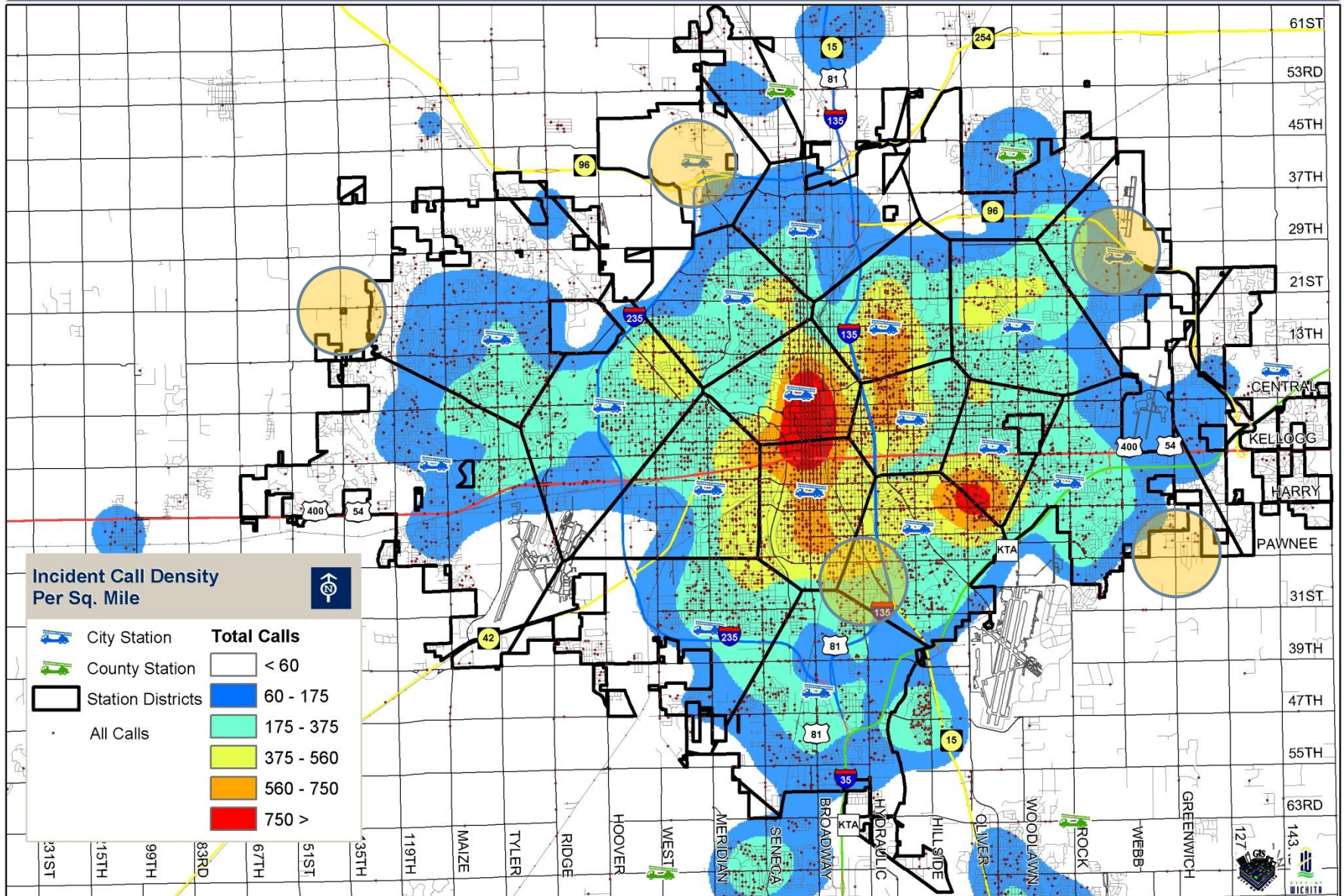
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- The Department is a dynamic operation and is rarely in a static mode, static meaning all units are in the station waiting for something to happen.
  - The 911 center dispatches the closest available unit that matches call requirements without delay.
- Fire service managers relocate resources on a regular basis each day to assure there is an adequate distribution of resources throughout the City.
- Fire stations are distributed throughout the city in a manner designed to cover neighboring service areas within service response goals. (7:00 or less to 90% of all calls)
- In 2007, the average response time was 4:21, the first unit arrived on the scene in 6:46 or less to 90% of all calls.





# INCIDENT CALL DENSITY PER SQ. MILE FOR THE CITY OF WICHITA



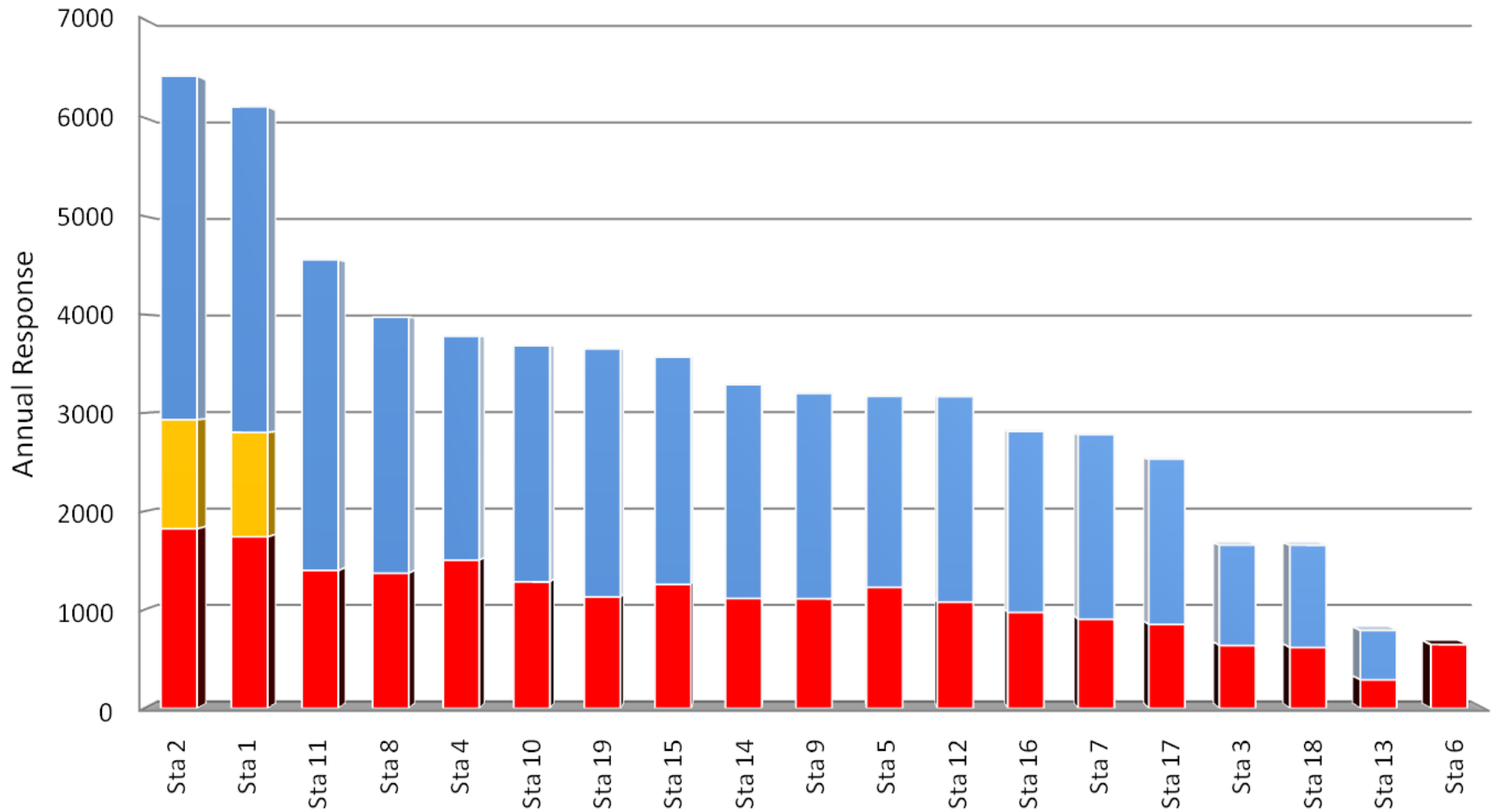
Software: ArcGIS Ver. 8.3  
 Hardware: Compaq SP700  
 Plotter: HP 5000PS  
 Map Data Source:  
 Road centerlines provided by City of Wichita GIS and Sedgwick County GIS.  
 2003 Aerial Photo/MarcHurd  
 Printed 10/20/2004 X:\giswork\projwork\fire\calldensity\_overall.mxd

It is understood that while the City of Wichita Data Center Geographical Information Systems Department have no indication and reason to believe that there are inaccuracies in information incorporated in the base map, the Data Center-GIS personnel make no warranty or representation, either expressed or implied, with respect to the information, or data displayed.  
 Note: Public property represented on this map is not intended to be inclusive.

0 0.5 1 2 3 4 Miles

# Annual Response by Fire Station

## 2007 - Pumper (Engines, Quints) & Squads



	Sta 2	Sta 1	Sta 11	Sta 8	Sta 4	Sta 10	Sta 19	Sta 15	Sta 14	Sta 9	Sta 5	Sta 12	Sta 16	Sta 7	Sta 17	Sta 3	Sta 18	Sta 13	Sta 6
Squad	3489	3306	3153	2600	2275	2400	2519	2308	2172	2087	1940	2088	1840	1875	1678	1020	1040	502	
Pumper 2	1108	1060																	
Pumper 1	1825	1743	1402	1373	1505	1284	1131	1260	1117	1113	1229	1080	974	906	853	639	618	290	649



# Standards of Coverage

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The Department is involved in the development of Standards of Coverage (SOC).

- The purpose for the adoption of SOC is to provide:
  - ▣ A baseline tool for defining emergency response performance standards.
  - ▣ A descriptive tool for validating station location.
  - ▣ A management tool for determining apparatus type, staffing level, and staffing patterns.







# Standards of Coverage

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## □ Other benefits of SOC:

- A predictive tool for helping to determine workload and ideal unit utilization.
- A basis for continually measuring performance improvements and outcomes over time.
- Policy guidance when dealing with joint service areas, resource procurement and allocation as the Department plans for a 3-5 year period.
- A basis to evaluate the effectiveness of “System” response efforts to achieve the goal of “seamless” community-wide emergency response.







# Discussion

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## Questions / Comments

